comfort living

Rheem Thermostats

relax
It's Rheem®

Features & Benefits

Rheem offers a complete line of comfort controls designed to operate any Rheem equipment. As a critical component to any home comfort system, a Rheem thermostat is designed to provide precise control right at your fingertips.

The main job of the thermostat is to keep your home environment comfortable all year round. Rheem thermostats are not only sophisticated and easy-to-use, they also provide improved comfort, optimal energy efficiency and enhanced reliability and performance.

Our **Rheem 500-Series** thermostats are part of the Rheem *Comfort Control2™ System* where the thermostat auto-configures the system and constantly communicates with the indoor and outdoor heating and cooling components to provide the homeowner with the utmost in home comfort and peace of mind. The thermostat is so smart, it can notify the homeowner when a service call is needed to any part of the complete system. These features ensure simple, dependable operation for the homeowner and easy installation by the contractor for peak performance. Homeowner benefits include:

- Clear Communication. "Call for Service" notification signal on your thermostat lets you know immediately when there is a problem with any part of your system, or if you simply need maintenance.
- Guaranteed Protection. Continuous system monitoring ensures that your system is protected from further damage if any serious trouble is detected.
- Accurate Results. Advanced system diagnostics gives your contractor correct information the first time, eliminating the guesswork.
- Easy Operation. The communicating, high-definition thermostat provides simple programming that enables you to set up an operating schedule tailored to your family's lifestyle.
- Any system notifications communicated to you are color coded for quick & easy detection. Also, thermostat face-plate and screen color choices allow for perfect integration into your home décor.

Specifically designed to work with Rheem *Prestige Series* modulating gas furnaces, the **Rheem 400-Series** touchscreen modulating furnace control is also designed to be easy to view, easy to understand and easy to operate with simple on-screen programming. The **Rheem 400-Series** touchscreen dual fuel control is designed for maximum comfort and energy savings with dual fuel split systems or package dual fuel models and dual fuel system puts the control back in your hands while you set your level of comfort.

The New Color of Comfort and Innovation. Rheem has set a new industry benchmark with the **Rheem 300-Series** blue touchscreen with advanced technology. It not only delivers all the best features, it's truly universal. Plus, it's designed to be easy to view, easy to understand and easy to operate with simple on-screen programming. Ultimate Control. Ultimate Comfort. The RHC-TST305UNMS 300-Series blue humidity touchscreen offers dehumidification and humidifier control, delivering a new line of comfort to homes.

Creating the world of universal thermostats for single-stage, multi-stage, and heat pump systems. We've enhanced our **Rheem 200-Series** digital thermostats by combining a single-stage, multi-stage and heat pump solution into one universal thermostat. With stylish design and home comfort features specially designed for all systems, the universal thermostat offers more control, more convenience and more value than the competition.

500 Series

RHEEM 500 SERIES COMMUNICATING THERMOSTATS

The 500-Series thermostats are part of the Rheem *Comfort Control2™ System*, the most sophisticated and easy-to-use home comfort system available today. It provides improved comfort, optimal energy efficiency, and enhanced reliability and performance. The system consists of an indoor furnace (modulating or conventional) or air handler, an outdoor condensing unit or heat pump, and a 500-Series thermostat.

The thermostat auto-configures the system and constantly communicates with the indoor and outdoor heating and cooling components to provide the homeowner with the utmost in home comfort and peace of mind. The thermostat is so smart, it can notify the homeowner when a service call is needed to any part of the complete system. These features ensure simple, dependable operation for the homeowner and easy installation by the contractor for peak performance.

Rheem 500 Series High Definition Communicating Thermostats

- High definition full color display with soft keys; customizable display colors and brightness
- Sleek unique styling drives greater appeal to the homeowner
- Easy to understand user interface; intuitive menu structure
- Silver finish; also includes paintable white faceplate
- Universal – Choice of 7 day, 5/2 day programmable, or non-programmable (Installer selectable)
- Multi-level system warnings with details available to servicing contractor
- Dehumidification and humidification control
- Outdoor temperature display
- Intelligent scheduling ramp-up/program anticipation
- Auto air circulation control; adjustable anticipation; high and low temperature limits
- USB connection for uploading of programming and configuration
- Maintenance reminders
- Compressor short cycle protection
- 5-year limited warranty

Rheem 500 Series Touchscreen Communicating Thermostats

- Bright 12 square inch Touchscreen display
- Scrolling system status
- Dehumidification control
- Armchair programming allows users to remove thermostat from wall to set the schedule
- Outdoor temperature display
- Intelligent scheduling ramp-up/program anticipation
- Maintenance reminders
- Compressor short cycle protection
- 5-year limited warranty

400 Series

RHEEM 400 SERIES TOUCHSCREEN – MODULATING FURNACE

Specially designed to work with Rheem *Prestige Series* modulating gas furnaces. Plus, it's designed to be easy-to-view, easy-to-understand and easy-to-operate with simple on-screen programming.

- Bright 12 square inch Touchscreen display
- Universal – Choice of 7 day, 5/1/1 day programmable, or non-programmable (Installer selectable)
- Armchair programming allows users to remove thermostat from wall to set the schedule
- Keypad lockout options
- Easy, menu-driven programming
- Humidification and dehumidification controls
- Maintenance reminders
- Suitable for use with an indoor or outdoor sensor
- Compressor short cycle protection
- 5-year limited warranty

RHEEM 400 SERIES TOUCHSCREEN – DUAL FUEL READY

Specifically designed for comfort and energy savings with dual fuel split systems or package dual fuel models. Outdoor temperature sensor included.

- Bright 12 square inch Touchscreen display
- Universal – Choice of 7 day, 5/1/1 day programmable, or non-programmable (Installer selectable)
- Dual-Powered – Choice of battery-powered or hardwired with battery back-up
- Armchair programming allows users to remove thermostat from wall to set the schedule
- Keypad lockout options
- Humidification and dehumidification controls
- Maintenance reminders
- Compressor short cycle protection
- 5-year limited warranty

RHEEM 300 SERIES DELUXE TOUCHSCREEN

The new Color of Comfort & Innovation. Universal touchscreen thermostat with advanced technology not only delivers all the best features, it's truly universal.

- Bright 12 square inch Touchscreen display
- Universal – Choice of 7 day, 5/1/1 day programmable, or non-programmable (Installer selectable)
- Dual-Powered – Choice of battery-powered or hardwired with battery back-up
- Armchair programming allows users to remove thermostat from wall to set the schedule
- Keypad lockout options
- Maintenance reminders
- Suitable for use with an indoor or outdoor sensor
- Compressor short cycle protection
- Additional feature for RHC-TST305UNMS only: humidification and dehumidification controls
- 5-year limited warranty

300 Series

RHEEM 200 SERIES PROGRAMMABLE

With stylish design and home comfort features specially designed for all systems, the universal thermostat offers more control, more convenience, and more value than the competition.

- Lighted 4 square inch blue display
- Fast and easy to program
- Permanent program retention
- Easy to wire terminal block
- Compressor short cycle protection
- 5-year limited warranty

200 Series

	500 SERIES HIGH DEFINITION	500 SERIES TOUCHSCREEN	400 SERIES TOUCHSCREEN		300 SERIES DELUXE TOUCHSCREEN		200 SERIES PROGRAMMABLE
Part Number	RHC-TST550CMMS	RHC-TST501CMMS	RHC-TST412MDMS	RHC-TST422DFMS	RHC-TST305UNMS	RHC-TST314UNMS	RHC-TST213UNMS
Programmable	7, 5/2	7	7, 5/1/1	7, 5/1/1	7, 5/1/1	7, 5/1/1	5/1/1
Stages Heat/Cool (Conventional)	2H/2C	2H/2C	1H/2C	2H/2C	2H/2C	2H/2C	2H/2C
Stages Heat/Cool (Heat Pump)	4H/2C	4H/2C	3H/2C	4H/2C	4H/2C	3H/2C	3H/2C
Dual Fuel Ready	Yes	Yes	Yes, Outdoor Sensor Required	Yes	Yes, Outdoor Sensor Required	Yes, Outdoor Sensor Required	—
Stages Dual Fuel Heat (HP/Gas)	2/2	2/2	2/2	2/2	2/2	2/2	—
Auto Change Over	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Programmable Fan	Yes	Yes	Yes	Yes	Yes	Yes	No
System Switches	Cool-Auto-Heat EM Heat-Off	Cool-Auto-Heat EM Heat-Off	Cool-Auto-Heat EM Heat-Off	Cool-Auto-Heat EM Heat-Off	Cool-Auto-Heat EM Heat-Off	Cool-Auto-Heat EM Heat-Off	Cool-Auto-Heat EM Heat-Off
Fan Switch	On-Auto-Prog	On-Auto-Prog	On-Auto-Prog	On-Auto-Prog	On-Auto-Prog	On-Auto-Prog	On-Auto
Size	6-1/8 x 3-5/16 x 5/8	5-7/8 x 4-5/6 x 1-1/4	5-7/8 x 4-5/6 x 1-1/4	5-7/8 x 4-5/6 x 1-1/4	5-7/8 x 4-5/6 x 1-1/4	5-7/8 x 4-5/6 x 1-1/4	5-1/8 x 3-7/8 x 1-1/4
Warranty	5-year limited	5-year limited	5-year limited	5-year limited	5-year limited	5-year limited	5-year limited

Rheem Thermostats

comfort control solutions for all Rheem residential HVAC equipment

dealer imprint area

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